## DaimlerChrysler AG

## Patent claims

- 5 1. A device (10) for the internal high pressure forming of a hollow profile (5),
  - comprising a forming tool,
  - comprising a sealing arrangement (11) for holding and sealing an end (12) of the hollow profile (5), this
- 10 end (12) projecting from the impression (16) of the forming tool,
  - the sealing arrangement (11) having a section (6), plunging into the hollow profile (5), of an axial punch (4) and at least one clamping jaw (3) which,
- when the section (6) of the axial punch (4) has plunged in, presses radially from outside on the hollow profile end (12) in such a way that the clamping jaw (13) fixes the latter in position,
- and provided with an actuator (14) which drives the
  clamping jaw (3) for displacing it only radially to
  the hollow profile axis,
  - characterized in that at least one V-ring (2) is arranged on a side of the clamping jaw (3) facing the hollow profile end (12).

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2. The device as claimed in claim 1, characterized in that the actuator (14) is formed by at least one hydraulic cylinder or comprises at least one hydraulic cylinder.

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- 3. The device as claimed in claim 1 or 2, characterized in that the actuator (14) is formed by at least one electric motor.
- 35 4. The device as claimed in one of claims 1 to 3, characterized in that the forming tool is formed from at least two die parts (15, 15', 15'') displaceable relative to one another.

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- 5. The device as claimed in one of claims 1 to 4, characterized in that the clamping jaw (3) is mounted on the forming tool in such a way as to be radially displaceable relative to the hollow profile axis.
- 6. The device as claimed in one of claims 1 to 5, characterized in that the actuator (14) enables the clamping jaw (3) to be displaced when the forming tool is open.
- 7. The device as claimed in one of claims 1 to 6, characterized in that the forming tool is designed in such a way that the die parts (15, 15', 15'') can be displaced while the clamping jaw (3) fixes the hollow profile end (12).
- 8. The device as claimed in one of claims 1 to 7, characterized in that the clamping jaw (3) is supported 20 on the forming tool, whereas the forming tool is supported on a foundation (9).
- 9. The device as claimed in one of claims 1 to 7, characterized in that the clamping jaw (3) and the 25 forming tool are each supported on a foundation (9).
  - 10. The device as claimed in one of claims 1 to 9, characterized in that the clamping jaws (3) can be carried along axially.